

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/003332

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L51/30

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L C07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/091862 A1 (TAKEUCHI MASATAKA ET AL) 15 May 2003 (2003-05-15) the whole document	1-14
X	US 2002/045061 A1 (HOSOKAWA CHISHIO) 18 April 2002 (2002-04-18) the whole document	1,9,10
P,X	US 2003/186080 A1 (IGAWA SATOSHI ET AL) 2 October 2003 (2003-10-02) the whole document	1-3,6-9, 11-14
L,P, X	WO 03/074628 A (MAXTED NEIL ; MOSLEY ALAN (GB); CDT OXFORD LTD (GB); LOOK KAI (GB); MA) 12 September 2003 (2003-09-12) L: Priority the whole document	1,9

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the international search

28 October 2004

Date of mailing of the international search report

26. 01. 2005

Name and mailing address of the ISA

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-14

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-14

An electroluminescent device having an electroluminescent layer comprising a host polymer having repeat units of triarylamine.

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2. claim: 15

An composition comprising a polymer having repeat units of triarylamine.

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3. claims: 16-19

An electroluminescent polymer having repeat units of triarylamine.

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4. claims: 20-21

A monomer having the basic structure of triarylamine.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/003332

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003091862 A1	15-05-2003	JP 2003342325 A EP 1424350 A1 WO 03018653 A1	03-12-2003 02-06-2004 06-03-2003
US 2002045061 A1	18-04-2002	CN 1365381 T EP 1205527 A1 WO 0172927 A1 TW 532048 B	21-08-2002 15-05-2002 04-10-2001 11-05-2003
US 2003186080 A1	02-10-2003	JP 2003073480 A JP 2003073479 A EP 1426399 A1 WO 03022908 A1	12-03-2003 12-03-2003 09-06-2004 20-03-2003
WO 03074628 A	12-09-2003	EP 1481036 A1 WO 03074628 A1	01-12-2004 12-09-2003